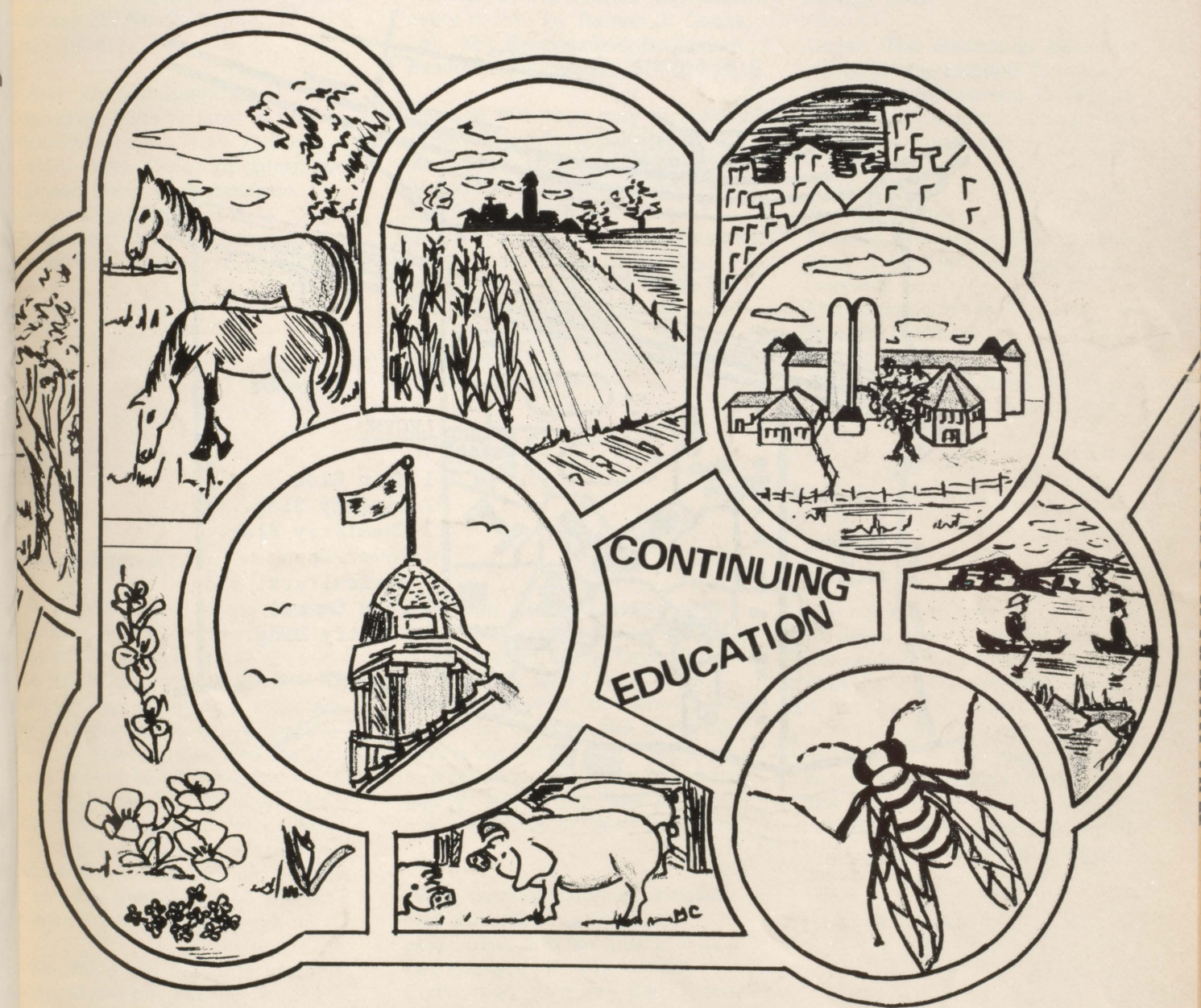


THE macdonald Journal

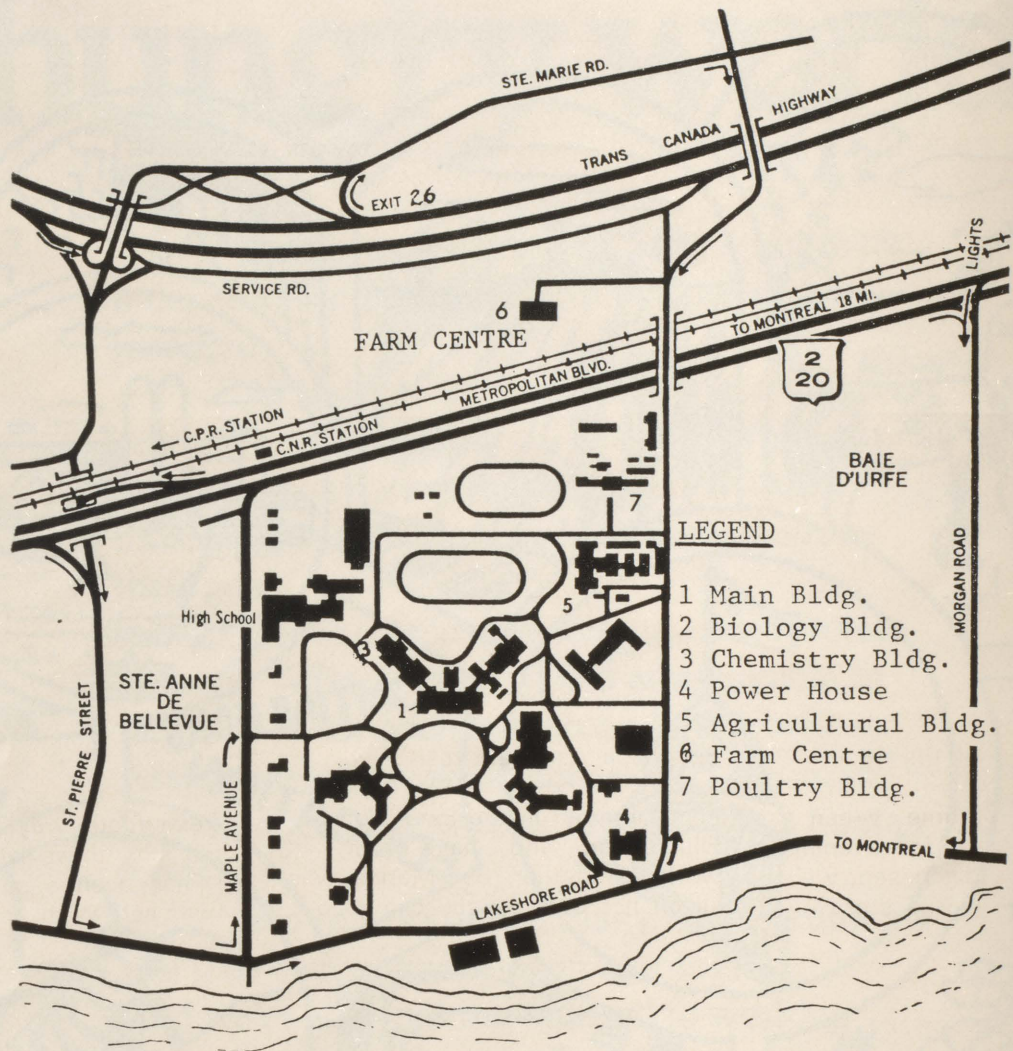
JULY 1974



SPECIAL ISSUE

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MACDONALD COLLEGE



THE macdonald JOURNAL

JULY 1974

Macdonald Journal
Volume 35, No. 7
July 1974

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The Macdonald Journal is published every month by Ronald J. Cooke Ltd., 451 Beaconsfield Boulevard, Beaconsfield, Quebec, 514 697-2916.

Texts in this issue may be reprinted editorially without permission; permission should be obtained to reproduce illustrations. Address The Editor, Macdonald College, Quebec. Second class mail registration number 0463.

Subscription rates are \$7.00 for two years, \$9.00 for three years in Canada, U.S.A., and foreign rates are \$10.00 for two years.
Printed in Canada

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Cover: The illustration depicting some of the Evening Courses offered at Macdonald College is by Marina Costain, Film Librarian, Extension Film Library.

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Journal Jottings

This special issue of the Journal will be going into some 3,000 homes for the first time. When the 1974-75 program for evening courses was being discussed, we realized that there was a story behind these courses and that this story would be of interest to our regular readers. In turn, we felt that those receiving the program of courses might be interested in also seeing the Macdonald Journal, a monthly publication of interest primarily to the rural community.

From these idle thoughts evolved some of the busiest few weeks as special articles were written and courses organized. Although part of the Extension Department, up until this issue I have never had too much contact with evening courses. Consequently, it was a new learning experience for me to be able to work with Doris Davison,

Extension Assistant responsible for evening courses. Marina Costain, Film Librarian in the Extension Film Library, and I have often worked together, but Marina was all on her own as she came up with what I think is a most attractive cover for this issue. We hope you will enjoy this "special" as much we have enjoyed preparing it.

While evening courses, articles, and the cover were being assembled, another special was taking place. It was Annual Convention time for the Quebec Women's Institutes and once again I enjoyed meeting the members, visitors, and speakers. Charming people — all! And the biggest charmer of them all has to be Mrs. Bulley of Arundel. Happy birthday from all who know you and please come back next year.

I would like to take this opportunity to thank Jean Clark for the tremendous way she has handled publicity these last three years. It has been a pleasure working with her. With her comments on Convention in this issue, Jean begins a well-deserved rest. I look forward to working with her successor, Mrs. James Robertson. Once again, publicity is in good hands.

Hazel M. Clarke

"The Agricultural Ladder" is a concept that has traditionally been used in farm management courses and extension publications of agricultural colleges for a number of years now. It decides the steps one must climb in order to reach the top step of owner-operator of a farm. Basically, these steps have been viewed as progression from farm youth to farm labourer to tenant or father-son partnership to owner-operator.

The pattern has generally held true during the first half of this century. The gradual replacement of farmers by their sons or daughters probably did much to promote the social stability of the rural community. But at the same time it had a very negative effect on rural communities as more and more farm youth no longer wanted to make the slow, difficult climb to the top. Higher paying urban jobs with shorter working hours were seen as a much more pleasant alternative. The result of this outlook was often the loss of many of farming's finest candidates by the rural community.

Now in the last five to 10 years there is beginning to occur a sort of reverse migration back to rural areas. But those returning to the land are not following the traditional

steps of the agricultural ladder. They are going from the bottom to the top in one quick step. These are the urban people who are purchasing farmland to be used as vacation homes, part-time farming enterprises, and even full-time owner-operator units.

Not only are these "new" farmers not undergoing the long apprenticeship training in agriculture associated with the agricultural ladder, but they are not even coming from a farm background. Many of them had never been on a farm before their "newly discovered" interest in agriculture.

Just what impact these people will have on the agricultural industry and rural community has yet to be seen. The potential is there for either very beneficial or disastrous results. They could bring with them a wide variety of new skills, experience, and ideas that could revitalize some of our declining rural communities. Or they could leave behind a land use disaster resulting from unfulfilled hopes and dreams.

The role of an agricultural college in such a situation is open to

question. Some would say that the role of such an institution should be to try to ignore or even discourage this "return to the land" and instead devote its efforts to promoting viable, efficient, commercial agricultural enterprises. However, if one feels that this return to the land is going to continue regardless of his opinion and that small-scale and part-time farming is here to stay, then perhaps the most useful and appropriate role would be to learn to live with the situation and assist these newcomers in establishing themselves just as agricultural colleges have assisted established farmers. There would seem to be little to gain and much to lose by ignoring or seeming aloof towards this new generation of farmers.

The program of evening courses for newly established farmers that you see in this issue of the Journal is one of the ways we feel we can close the information gap that so often exists for these people. As long as this return to the land movement continues and as long as these people are in need of and demanding basic agricultural information, we will attempt to continue to offer such a program of evening courses.

Gordon Bachman

New Custodians of the Land

by Rudi Dallenbach,
Farm Director,
Macdonald College Farm

The land rush is on. Is it just another fad or are all those urbanites serious contributors to production agriculture and the revival of rural areas? We think Macdonald College, amongst others, has an opportunity to assure that Quebec agriculture continues to grow and that land will be safeguarded for agricultural use.

For over 30 years rural Canada supplied the manpower for our

ever-growing cities and industrial centres. Persistent low farm income, long working hours, and an aging farm population contributed to the depopulation of many rural areas. The pulsating city with its gleaming lights and better educational opportunities attracted, in particular, the young and the adventurous.

It looks as if the pendulum is swinging back. Many first and second generation urbanites are longing for a different life-style. The harried, urbane, away from tradition city life is for many not what it promised to be. Increased taxes and property values in the cities and suburbs are making rural living more and more attractive. At the same time, hard-pressed farmers are continuing to offer their



Prof. Walker Riley and Mr. Rudi Dallenbach discuss good cropping practices with a group of the "new custodians".

farms for sale, thus creating a situation which makes it even more interesting to sell that town property and move to the country. The recent increases in food prices and the uncertainties of the stock market have created an awareness among urbanites that land is an increasingly important asset.

This phenomenon has largely been interpreted as a problem. Because of the large demand for rural properties, land prices have risen very rapidly. It has become increasingly more difficult for established farmers or farmers' sons to acquire land to make their operations more efficient and viable. Owing to the lack of a land use policy, speculation has entered into the picture. Some farms are bought strictly as a hide-out to escape the pressures of city life. Others are purchased as an investment and only very few remain productive farm units.

On the other hand, the move back to the land can have many positive aspects. Newcomers to the farm community can contribute significantly to the revival of whole rural areas. No doubt about it, things will be different; new ideas and values will emerge. They might not join community activities immediately. However, given some time and encouragement they soon will integrate and become part of a new, viable rural community. Many we know of have taken their place on local school boards and municipal councils.

To many people concerned this land rush is creating a dilemma. What alternatives do we have



as agricultural educators? We can sit back and let nature take its course. We can join the gloom predictors complaining about the disappearance of agricultural land. We can also take a positive attitude and look at migration from the city to the farm as desirable. Part-time farming can work and contribute to agricultural development as well in our society as it has in others.

In this issue you will find a number of evening courses specifically designed for newcomers to the farming community. Other courses are for the more advanced who are already involved in production agriculture. Realizing that profitable farming is a real challenge, particularly to the inexperienced, we hope to create a better understanding of production agriculture and rural living.

Great emphasis is placed on putting the farm income situation into the right perspective. What obligations does a landowner have to the immediate community or society, as a custodian of that valuable resource — the soil? What alternatives does he have to livestock farming? What kind of a farm operation lends itself best to part-time farming? How can we join production of food, maintenance of land, and recreation into one viable package?

We feel very strongly that what rural Canada needs is people. Where they come from does not really matter. In the past, many were immigrants from faraway countries; today they come from our cities. Without them we cannot maintain our rural way of life which can contribute so much to a growing and healthy society.

Over a Quarter Century of Learning

by Professor Gordon Bachman,
Director,
Extension Department.

This fall, Macdonald College will begin its 26th year of offering evening courses to the community. This is quite a remarkable record considering that most extension and continuing education programs generally reach their peak after four or five years and then gradually phase themselves out. For an extension program to continue, uninterrupted, for such a period of time means that a need has to exist for such a program and that the program has to satisfy these needs. Without these two essential pre-conditions, no extension program is likely to last longer than a year or two.

The extension evening course program began in 1948 with a limited course offering in such areas as art, French, handicrafts, history, dressmaking, and public speaking. However, it really wasn't until the mid-sixties that the program began to show the concentration of agricultural courses that exists today. This increasing emphasis on agricultural courses was partly brought about by the entrance of the Regional School Board into the traditional areas of arts and handicrafts in the continuing education field. But the main factor has been the need for basic agricultural information by people desiring to live in a rural area or to enter farming as a full-time occupation. The need for this type of information and the popularity of these types of courses may be attested to by an almost 100 per cent increase in evening course enrollment over the past 20 years.

The agricultural section of the evening course program offers virtually a mini-course in basic agricultural production. It does not

require a prior knowledge of or past working experience in farming. In fact, most of the students are from an urban background and are presently working in the Montreal metropolitan area. They include businessmen, teachers, industrial workers, professional people, and housewives.

Beginning with the basic "Is Farming" course program offers can receive an introduction to the basic components of farming. He will learn of what enterprises a farm is composed, how they are organized and managed, and how to put them together to get started in farming.

From this introductory survey course a student can then proceed to courses that specialize in one or more of the farming enterprises discussed in the introductory course. These courses would include those on beef cattle, field crops, poultry, swine, forestry, soils, gardening, beekeeping, and farm buildings and machinery. A student can proceed to enroll in as many of these courses he feels his interests and needs will allow. The courses carry no university credit nor do they lead to a formal diploma or certificate, although the student may request a document from the Extension Department stating that he was enrolled in and satisfactorily attended a course.

Although the extension evening course program is an important force in agricultural continuing education, the college is involved in a number of other agricultural education programs. The Macdonald Journal is a major source of agricultural information for English-

speaking farmers in Quebec. It provides an information channel from Macdonald College and the Quebec Ministry of Agriculture to these people.

The Macdonald Agro-Guide is a comprehensive guide to farming in eastern Canada that was prepared by the staff of Macdonald College. It is printed in English and French versions and may be purchased from the Extension Department at Macdonald College.

The staff of Macdonald College also participates in the adult education programs offered through the Canada Manpower Centres by offering up-grading courses for course monitors in the program and by participating in manpower courses offered in the field. The college is also active in participating in agricultural salons, field days, workshops, and campus tours.

All of these activities are important because they do provide a channel for information to be disseminated from the university into that part of the rural farming community which cannot find the time or means of attending on-campus, academic instruction. And it is with this group that the greatest benefits and gains from agricultural education are likely to be made. In addition, the continuing education programs provide another important function in that they provide the college with a feedback from the rural community that is invaluable in designing new teaching, research, and continuing education programs that will be better adapted to the needs of that rural community.

MACDONALD COLLEGE EXTENSION COURSES

1974-75

Macdonald College:

Macdonald College is located at Ste. Anne de Bellevue, on the western tip of the Island of Montreal, about 20 miles from downtown Montreal. Entrance to the campus may be made from Highway 37 (Lakeshore Road), and by the Trans-Canada Highway Exit 26 westbound via Ste. Marie Road and the overpass which leads to the farm, and eastbound Exit 26 and the service road. Also from Highway 2 & 20 at the Ste. Anne de Bellevue underpass.

Registration:

Registration by mail or in person is now open. To register by mail, completed application form (below) together with cheque or money order made payable to Macdonald College should be sent to the Extension Department, P.O. Box 237, Macdonald College, P. Que., H9X 3M1. For further information telephone: (514) 457-6580, Extension 226 or 227.

Day Registration: Extension Department, Room MO14, basement of the Main Building, 9:00 a.m. to 12 noon and 1:30 to 4:30 p.m. Monday to Friday inclusive. We strongly advise early registration as a minimum of 10 students is required in order to present a course.

Refunds:

To obtain a refund, the student card of admission, as well as any material handed out in class, must reach the Extension Department before the second lecture in the course is given; this can be done by

mail or in person. A refund, less \$5.00 per course, will be mailed to the student within six weeks. No refund will be made to a student who registers after the second lecture in a course.

Allowances cannot be made for a change of personal plans including transfers or additional commitments which a student may accept after arranging his/her course schedule.

Fees:

The fee, as indicated for each course, is payable in advance at time of registration.

Receipts:

For those who require receipts for income tax, forms in duplicate will be available at the last lecture of the course.

Change of Address:

Students should inform the Extension Department of any change of address after registration. The course in which the student is registered should be indicated.

Classrooms:

Buildings and room numbers for all courses will be posted on the Extension Department Directory Board located in the foyer of the front entrance to the Main Building.

Parking:

Ample parking space and no parking fee.

EXTENSION DEPARTMENT,
Box 237,
Macdonald College, Que.
H9X 3M1
Telephone: 457-6580 ext. 226, 227.

I wish to register for course in

Mr.

Mrs.

Miss

Address

Tel. No.

Employer

Tel. No.

Address

Fee paid by Cheque

Money Order

Cash

PLEASE MAKE CHEQUES PAYABLE TO MACDONALD COLLEGE

Courses

FALL TERM

IS FARMING FOR YOU? Mr. Rudi Dallenbach, Director, Macdonald College Farm. 10 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 8, 1974. Farm Centre, Macdonald College. Fee \$50 per person, or \$8 a lecture.

This course is designed to acquaint you with the many and varied aspects of country living and farming. The following topics will be discussed:

1. What to look for when buying a farm
2. Visit to Macdonald College Farm
3. How to organize your farm
4. Livestock on the farm
5. Getting familiar with soils
6. Planning a forage program
7. Cash crop farming
8. Fruit and vegetable farming
9. Farm buildings and machinery management
10. Taxation for part-time farmers

MANAGING THE SMALL POULTRY FLOCK Prof. R.B. Buckland, Animal Science Department. 6 lectures of 2 hours, Wednesdays at 7 p.m., beginning October 2, 1974. Poultry Building, Macdonald College. Fee \$35 per person.

The course content will be directed toward individuals who wish to raise a few birds as a hobby and/or as a source of egg and meat for the family. The course will include a discussion of sources of stocks, housing, feeding, incubation practices, and breeds. Depending on the interest of the participants, the above aspects of raising chickens, turkeys, ducks, geese, pheasants, quail, partridge, and pigeons will be discussed.

FARM MECHANIZATION, STRUCTURES, AND DRAINAGE Coordinated by Profs. J. Ogilvie, R. Broughton and E. Norris, Agricultural Engineering Department. 6 lectures of 2 hours, Tuesdays at 7 p.m., beginning October 1, 1974. Agricultural Engineering Building, Macdonald College. Fee \$35 per person.

1. Land drainage and improvements
2. Land drainage and improvements
3. Farm equipment requirements
4. Maintenance of farm machinery
5. New construction and remodelling of farm buildings
5. Mechanization of feeding and waste disposal

PRIVATE FORESTRY AND CONSERVATION Coordinated by Prof. A. R. C. Jones and Prof. J. D. MacArthur, Renewable Resources Department. 10 lectures of 2 hours, Thursdays at 8 p.m., beginning September 26, 1974. Biology Building, Macdonald College. Fee \$50 per person.

A practical course in conservation-oriented management for private forest owners with special attention to forest resources and values, management alternatives, and multiple-use possibilities. It will include: tree identification, forest ecology, growth of trees and stands, silvicultural practices, reforestation and plantation management, forest protection, principles of fish and game management, water conservation, Christmas tree culture, sugarbush management, aesthetic use of trees, marketing information, service organizations, and legal matters of concern to small forest owners and managers. Field trips to interesting operations will be arranged.

SELECTION AND CARE OF SHADE TREES Prof. J.D. MacArthur, Curator, Morgan Arboretum. 8 lectures of 2 hours, Tuesdays at 7:30 p.m., beginning September 24, 1974. 3 Saturday field trips in the Morgan Arboretum will also be made. Biology Building, Macdonald College. Fee \$50 per person.

The course is intended to provide basic guidance for the selection and care of shade trees in the Montreal region. It will cover: practical tree identification; important characteristics of shade trees; choosing the best species for specific situations and objectives; initial care in transplanting and establishment; routine care of trees, and special attention to common problems and solutions.

SOIL AND CROP PRODUCTION Coordinated by Mr. Rudi Dallenbach, Director, Macdonald College Farm. 10 lectures of 2 hours, Thursdays at 8 p.m., beginning October 10, 1974. Farm Centre, Macdonald College. Fee \$50 per person, or \$8 a lecture.

1. Getting familiar with soils
2. Taking and interpreting soil tests
3. Planning the farm fertilizer program
4. Preparing seedbeds
5. Planning a forage program
6. Planning a weed control program
7. Harvesting and storing hay and legume crops
8. Corn for silage and grain
9. Harvesting and storing corn
10. Open forum

ADVANCED HORSE MANAGEMENT — SHORT COURSE Mrs. Pam Dillingham. 4 sessions of 2 hours, \$6 each.

1. September 10th, Tuesday 8 p.m., Agriculture Building, Macdonald College.
— Doing your best for the horse you own or hope to own. The finer points of horse care.
2. September 12th, Thursday 6:30 p.m., Kilowen Farm.
— Training and schooling a horse to jump.
3. September 17th, Tuesday 6:30 p.m., Kilowen Farm.
— Preparing your horse for competition — conditioning, grooming, braiding, trailering.
4. September 19th, Thursday 8 p.m., Agriculture Building, Macdonald College.
— Advanced horsemanship — an educated look at dressage, horse psychology, and achieving your goals with your horse.

1st & 4th sessions will be held in classroom, 2nd & 3rd in ring and stable at Kilowen Farm, Ste. Anne de Bellevue.

HORSE MANAGEMENT 1A Mrs. Pam Dillingham. 10 lectures of 2 hours, Tuesdays 8 p.m., beginning September 24, 1974. Agriculture Building, Macdonald College. Fee \$50 per person.

This course will be of general interest to both horse-lovers, owners, and potential owners. It will include discussion of: the history and development of the horse, the various breeds, training, development, nutrition, basic veterinary care, stable care, competition riding, and the economic potentials. Two practical stable sessions will be included.

ACCOUNTING FOR SMALLER BUSINESS Mr. Edward M. Eustace. 10 lectures of 2 hours, Wednesdays at 8 p.m., beginning September 18 to November 20, 1974. Main Building, Macdonald College. Fee \$50 per person.

The course is designed to introduce the owner of a small business and his/her staff to a basic knowledge of accounting and related matters. The following topics will be discussed:

1. Double-entry bookkeeping
2. Financial statements and how to read them
3. Budgetary control and how to use it
4. Concepts of internal control
5. Accounting systems for the smaller business

WALL HANGINGS — MACRAME, NON-LOOM WEAVING, HOOKING Mrs. Vera Donefer. 10 sessions of 2 hours, Tuesdays 7:30 p.m., beginning September 17, 1974. Main Building, Macdonald College. Fee \$50. Class limited to 15.

Beginners course for exploration of non-loom weaving, macramé, hooking-wrapping, and fiber structures.

All techniques are taught for developing skills that are best for you; they teach the fundamentals, allow you to experiment, to improvise, to take off in any direction. They encourage creativity. An advantage of off-loom weaving is that anyone can produce a wall hanging with the minimal materials and little equipment. Materials extra.

MODERN LIVING Prof. V. Shipley, School of Food Science. 10 lectures of 2 hours, Mondays at 7:30 p.m., beginning September 23, 1974. Main Building, Macdonald College. Fee \$50 per person.

An examination of development and relationship patterns among individuals in today's society and family. Subject matter will be adjusted to the interests and needs of the participants. Time will be set aside for group exploration and discussion of the areas under consideration with the instructor's guidance.

MODERN WESTERN STYLE SQUARE-DANCING — First Level. Mr. Milt Thomas. 15 lessons of 2 hours, Tuesdays at 8 p.m., beginning September 10 to December 17, 1974. Macdonald College. Fee \$50 per couple. Minimum number of 16 couples required to open course.

Course Outline — First Level:

A simple, easy to learn course in contemporary Western Style Square-Dancing by which the participant will learn to dance to "cue" calling and will learn to execute or identify 50 basic terms or calls. No previous experience or familiarity with square-dancing is necessary. If you enjoy walking to music, this form of gentle exercise is a rewarding experience in a friendly and social atmosphere. Square-em-up!

The course will cover the first 50 basic moves as listed by the Sets-In-Order "Basic Program of American Square-Dancing". The use of the word American here is in the North American continental context since the same basics are used throughout Canada and the United States. This course is a prerequisite to the Second Level which covers the extended 25 basics. The person completing both first and second levels will be able to enjoy dancing with a regular square-dance club. (See Second Level — Winter Term.)

BEEF CATTLE PRODUCTION Coordinated by Prof. E. Donefer, Animal Science Department. 10 lectures of 2 hours, Mondays at 8 p.m., beginning January 20, 1975. Farm Centre, Macdonald College. Fee \$50 per person, or \$8 a lecture.

An applied course introducing the participant to some of the key factors in beef cattle management, feeding, and breeding pertinent to both hobby and commercial beef production. The course will be held at the College Farm where animals and facilities are available for illustration and demonstration. Some of the topics of the 2-hour lectures will involve: economic factors in beef production, breeds and their characteristics and their improvement through selection and crossbreeding, feeding and managing the cow herd and feeder cattle and breeding and reproduction of the beef cow. Field trips to beef cattle operations will be arranged.

FIELD CROPS — PRINCIPLES AND PRACTICES OF MANAGEMENT Prof. Walker R. Riley, Agronomy Department. 10 lectures of 2 hours, Thursdays at 8 p.m., beginning January 23, 1975. Agriculture Building, Macdonald College. Fee \$50 per person. Class limited to 30.

A course for those who are about to buy or have just bought a farm. Topics covered will be the choice of crops, with emphasis on their comparative potential as sources of energy and protein for livestock feeding, as well as the basic considerations in field management of hay and pasture crops, cereals, corn, and seed proteins.

TAXATION FOR PART-TIME FARMERS Coordinated by Mr. R. Dallenbach. 3 lectures, Thursdays at 8 p.m., January 16, 23, and 30, 1975. Farm Centre, Macdonald College. Fee \$25 per person.

SMALL-SCALE SWINE PRODUCTION Prof. T.G. Hartsock, Animal Science Department. 10 sessions of 2½ hours, Tuesdays at 7:30 p.m., beginning January 14, 1975. Agriculture Building, Macdonald College. Fee \$50 per person.

This course is intended for persons with little or no experience with swine but who may be interested in rearing small numbers of swine as a side operation or on a hobby-type farm. The course will include a discussion of the various aspects of small-scale swine production as well as farm visits for demonstrations of routine management practices, buildings, equipment, baby pig care, and meat cutting.

IS FARMING FOR YOU? Mr. Rudi Dallenbach, Director, Macdonald College Farm. 10 lectures of 2 hours, Tuesdays at 8 p.m., beginning January 28, 1975. Farm Centre, Macdonald College. Fee \$50 per person, or \$8 a lecture.

This course is a **repeat** of the Fall Term.

SOIL AND CROP PRODUCTION Coordinated by Mr. Rudi Dallenbach, Director, Macdonald College Farm. 10 lectures of 2 hours, Thursdays at 8 p.m., beginning February 20, 1975. Farm Centre, Macdonald College. Fee \$50 per person, or \$8 a lecture.

This course is a **repeat** of the Fall Term.

HORSE MANAGEMENT 1B Mrs. Pam Dillingham. 10 lectures of 2 hours, Tuesdays at 8 p.m., beginning February 4, 1975. Agriculture Building, Macdonald College. Fee \$50 per person.

This course is a **repeat** of Horse Management 1A.



OUTDOORS '75 Prof. A. R. C. Jones, Renewable Resources Department, and guest lecturers. 10 lectures of 2 hours, Wednesdays at 7:30 p.m., beginning March 5, 1975. Biology Building, Macdonald College. Fee \$50 per person. Class limited.

These lectures and field outings, for the amateur outdoor person, describe basic equipment and essential skills. Objectives are to provide added enjoyment of the natural environment through the mastery of basic techniques in such outdoor activities as hiking, mountaineering, bird-watching, plant identification, orienteering, canoeing, ski-touring, family camping, and safety. An understanding of ecology and conservation practices and an introduction to the basic elements of survival and enjoyment of the outdoors are essential parts of the course. Several outings will be held to emphasize the content of the lectures.

WALL HANGINGS — MACRAME, NON-LOOM WEAVING, HOOKING Mrs. Vera Donefer. 10 sessions of 2 hours, Tuesdays 7:30 p.m., beginning January 21, 1975. Main Building, Macdonald College. Fee \$50. Class limited to 15.

This course is a **repeat** of the Fall Term.

SOILS IN THE ENVIRONMENT Prof. J.F.G. Millette, Renewable Resources Department. 10 lectures of 2 hours, Tuesdays at 8 p.m., beginning February 4, 1975. Chemistry Building, Macdonald College. Fee \$50 per person, or \$8 a lecture.

Do you wish to know how important the knowledge of soil is in planning land use for human needs?

The following topics will be discussed:

1. Fitting soils into the environment
2. Fitting soils into the environment (continued)
3. Mapping soil resources, methods, and significance
4. Interpretation of soil maps and reports for forestry
5. Interpretation of soil maps and reports for wildlife and recreation
6. The use of soil maps and reports for integrated planning
7. Interpretation of soil maps and reports for agriculture — including ranching
8. Interpretation of soil maps and reports for engineering purposes
9. Interpretation of soil maps and reports for suburban planning and development
10. Interpretation of soil maps and reports for specific uses such as: golf courses, playgrounds, landscaping, and assessment

THE WONDERFUL WORLD OF INSECTS Prof. S.B. Hill, Entomology Department, or qualified students will be present to advise and answer questions in The Centre for Modular Instruction, Room M406, Main Building, Macdonald College. Open Mondays, Wednesdays, and Thursdays, beginning Monday, January 27, 1975. 10 sessions of 2 hours, 7:30 - 9:30 p.m. Fee \$50 per person or \$6 a session. Class limited to 10.

Each student plans, in consultation with the instructor, his or her own program of modules from a wide range of topics. A module is a self-contained, independent unit of a planned series of learning activities designed to help the student accomplish certain well-defined objectives.

Modules deal with the various types of insects, where they live, what it's like to be an insect, their lifestyles, how they can be collected, identified, controlled, and how you can find out further information about insects.

Optional Text: "The Life of Insects" by Sir Vincent Wigglesworth. Paperback \$1.50.

ORGANIC GARDENING Prof. S.B. Hill, Entomology Department. 10 lectures of 2 hours, Tuesdays at 8 p.m., beginning January 28, 1975. Biology Building, Macdonald College. Fee \$50 per person.

Defined by its opponents as muck-and-magic and its advocates as the production of whole foods with the help of nature but without the help of commercial fertilizers and pesticides.

If you already garden or farm organically, come along and share your knowledge; if you want to learn how, now's your chance. We will cover the topics listed below and any others which you are anxious to discuss. Films, demonstrations, and other learning aids will be used. Bring along your personal garden problems — there has to be a solution!

1. Why grow food organically — some background considerations
2. Planning the garden to meet your needs and avoid problems
3. The soil and its inhabitants
4. Soil preparation and fertilizing or "muck without magic"
5. Composting
6. Seeds and seeding; plants and planting
7. Mulching and weed control
8. Disease and pest control without using synthetic poisons
9. Special needs of particular plants and how to satisfy them
10. Harvesting, storage, and pre-winter chores

YOUR CHILD AND YOUR SCHOOL Dr. Geoffrey B. Isherwood, Faculty of Education, McGill University. 10 sessions of 2 hours, Mondays at 7 p.m., beginning January 13 to March 17, 1975. Main Building, Macdonald College. Fee \$50 per person.

This will be a discussion course, growing from selected current readings in the field of education. Members will read one selection each week and lead a discussion on the subject at hand. Some of the readings will be of a general nature, such as Bruner's "The Process of Education", while others such as Montessori's "The Child in the Family" will be more specific.

Paperbacks (6 to 8) will be required reading.

PRESERVATION, STORAGE, AND USE IN ART WORK OF LOCAL WEEDS AND WILDFLOWERS Dr. Dorothy E. Swales, Hon. Curator, McGill University Herbarium. 3 evenings, Tuesdays at 7:30 p.m., September 17, 24 & October 1, 1974. The Herbarium or Room B212, Biology Building, Macdonald College. Fee \$18 per person.

Many people are becoming interested in wild plants of roadsides, fields, and meadows and seek to make private collections of pressed plants, carefully identified. Many of the common weeds or wildflowers, if abundant, may be used in decorating writing paper, Christmas cards, calendars, lampshades, or in framed wall pictures. Instruction in collecting, pressing, and utilizing small portions of the inflorescence, or small individual flowers, in the preparation of Christmas presents will be given, as well as help in the identification of personal plant collections made locally.

ACCOUNTING FOR SMALLER BUSINESS Mr. Edward M. Eustace. 10 lectures of 2 hours, Wednesdays at 8 p.m., beginning January 15 to March 19, 1975. Main Building, Macdonald College. Fee \$50 per person.

This course is a **repeat** of the Fall Term.

GROW YOUR OWN TREES, SHRUBS, AND FLOWERS H. A. Kouwenberg and R. J. Watson. 10 sessions of 2 hours, Tuesdays at 7 p.m., beginning January 14 to March 18, 1975. Biology Building, Macdonald College. Fee \$50 per person.

A practical course to introduce the amateur to the principles of plant propagation and the establishment of trees, shrubs, and flowers. The course includes the basic techniques of propagation, nursery and greenhouse management, the establishment of seeds, seedlings, and cuttings to regenerate plants. Planning for planting, equipment, layout, selection of species, and techniques of pruning, care, and maintenance.

MODERN WESTERN STYLE SQUARE-DANCING — Second level. Mr. Milt Thomas. 15 lessons of 2 hours, Tuesdays at 8 p.m., beginning January 7 to April 15, 1975. Macdonald College. Fee \$50 per couple. Minimum number of 16 couples required to open the course.

Course Outline — Second Level:

A natural extension to the 50 basic terms or calls covered by the First Level Course, the participant will learn to dance 25 extended basic calls on "cue".

The movements required to execute the calls of the extended 25 basics remain easy to perform and flow well with the music. However, they require a greater degree of teamwork from the group of eight people forming each square and give a great feeling of satisfaction to each participant when successfully completed. (See First Level — Fall Term.)

DEVELOPING CREATIVE SKILLS Prof. E. R. Fillmore, Renewable Resources Department. 8 lectures of 2 hours, Thursdays at 7 p.m., beginning January 16 to March 6, 1975. Biology Building, Macdonald College. Fee \$40 per person. Class limited to 20.

This course is designed to demonstrate and develop new techniques and abilities for solving problems and generating ideas. The usefulness of the course is not limited to engineers, journalists, inventors, and scientists.

The course is not designed merely to inform the participant, but to give him the opportunity to practice and learn the techniques. The emphasis is on mastering skills through experience and practice. The following techniques and methods will be discussed and practiced: brainstorming, morphological analysis, attribute listing, vertical thinking and logic, lateral thinking, group dynamics, overcoming mental roadblocks, and developing new and creative solutions to problems.

SPRING TERM

QUEBEC SPRING WILDFLOWERS Prof. Dennis W. Woodland, Plant Pathology Department. Length of course 5 weeks, 10 lectures of 2½ hours, Tuesday and Thursday, 7-9:30 p.m., beginning May 6 to June 5, 1975. Biology Building, Macdonald College. Fee \$50. Class limited to 25.

A field and laboratory course designed for the serious gardener, amateur botanist, and flower lover who has always wondered "what flower is that?"

The course will involve the identification, preservation, family recognition and ecology of Spring wildflowers and ferns in southern Quebec. There will be field trips to different ecological areas.

BEEES AND BEEKEEPING Prof. V. R. Vickery, Curator, Lyman Museum. 10 lectures of 2 hours, Wednesdays at 6 p.m., beginning April 16, 1975. Biology Building, Room B204, Macdonald College. Fee \$50 per person. Class limited to 25.

Life and behaviour of honeybees. Insect pollination of plants. Practical beekeeping.

Textbook — "Complete Guide to Beekeeping" by R. A. Morse, 1972, Dutton & Co. Available at Macdonald College Bookstore, \$7.25.

Bee veil (or mosquito veil) available at Canadian Tire or Jones & Son, Bedford, P.Q. Approx. cost \$1.50-\$4.50.

The Family

Farm

Published in the interests of the farmers of the province by the Quebec Department of Agriculture

Special Aid for Quebec Hog Producers

ELIGIBILITY AND GENERAL CONDITIONS

Beneficiaries:

For the purposes of this program, "farmer" means one whose status is defined in the Farm Producers Act (Bill 64).

A. In order to help hog producers sustain losses incurred during the period April 15, 1974 and October 1, 1974, the Department of Agriculture is making a special grant based on the number of hogs sold in the said period.

B. The amount of the grant per hog will differ depending on which of the following two periods the sales are made in:

1. April 15, 1974 to July 1, 1974: \$8.25 per hog;
2. July 1 to October 1, 1974: in this case the amount of the grant will be determined by the cost of production and the price of hogs at the time.

C. To obtain the grant, the producer must submit an application before July 15, 1974 for the first period and before October 15 for the second period, using the required form and submitting therewith the following vouchers:

1. In the case of hogs shipped directly to abattoirs, the official hog carcass grading certificate;
2. In the case of hogs sold at livestock auctions, the owner of

the auction must keep track of the identity of the hogs offered for sale and obtain their hog carcass grading certificate.

D. A producer may receive the grant on not more than 200 hogs for the period April 15 to July 1, 1974 and on not more than 200 hogs for the subsequent period.

E. This grant will be paid only on graded hogs with an index of 100 or more.

F. The amount of the grant payable in accordance with the periods mentioned in article B will be decided by the date of the sale shown on the vouchers.

G. As there is no official price published in Quebec for hogs to qualify for the grant, the price paid to the producers must be equal to the average of the prices (F.O.B. the plant) published in Ontario. For the purpose of administering payment for the grant, the Department will agree to one cent per pound less. However, for the same purpose, in the case of abattoirs slaughtering every day, the price on the day of slaughter will be used and, in the case of those operating part-time, the average price for the first three days of the week.

H. Responsibilities: Excerpt from the Agriculture Department Act Section 18a

Every person who makes a false declaration to obtain a grant, advance or security for a loan contemplated by this act or an amount payable as assistance under a plan, program or project, commits an offence and is liable for the first offence to a fine of \$500 and, for any subsequent offence within two years, to a fine of \$1,000.

Proceedings under this section are taken under the Summary Convictions Act (Chap. 35) and Part II of that act applies thereto.

Anyone who receives the grant without being entitled to it will have to reimburse it.

N.B. All applications must be sent to local offices of the Quebec Department of Agriculture.
Promotion of Swine Production

Health Program

Eligibility: All swine raisers who meet the requirements of the breeding program are eligible for the health program.

Rules and conditions:

The beneficiary must:

- 1—Submit an application to the director of the Veterinary Service;
- 2—Satisfy minimum requirements as regards premises and equipment



and herd management, fulfilment of these requirements to be judged by veterinarians responsible for the surveillance of herds;

3—Undertake to:

- a) keep a complete record of births, deaths, and sales of all pigs born on his farm;
- b) limit his purchases to animals from herds of equal or superior health;
- c) allow the authorized veterinarian to make all necessary inspections; give him all the information required;
- d) strictly carry out the veterinarian's instructions concerning a health program for herds.

Benefits:

The Department of Agriculture provides the following assistance to help breeders meet the requirements of this provincial program:

Technical aid:

Permanent veterinary personnel of the Department of Agriculture will be instructed to make surveillance visits to the herd of each eligible breeder.

Distribution of copies of reports drawn up on form SVP-2: The original will be sent to Dr. Jean-Baptiste Phaneuf, Veterinary College, Box 5000, St-Hyacinthe, who is in charge of the program. The first copy will be sent to the Veterinary Service. The second copy will be left with the farmer. The third copy will be kept by the visiting veterinarian.

Aid for disease control:

- a) Compensation for slaughter or isolation at the rate of \$25 per swine unit will be paid if, in the opinion of the director of the program, a disease cannot be controlled otherwise. It will be paid only on animals kept for breeding.
- b) The Department may buy and have transported at its expense, at prevailing market prices, in Quebec or elsewhere, sows suitable for delivering piglets by caesarian section or hysterectomy;
- c) The Department bears the cost of operations performed on such sows to deliver piglets and also the cost of maintaining the sows before and after the operation.
- d) Farmers wishing to obtain piglets from these sows may do so by reimbursing the Department at the following rates:

Piglets turned 2 months \$ 50 each
Piglets turned 3 months: \$ 75 each
Piglets turned 4 months: \$100 each
Piglets turned 5 months: \$125 each
Piglets turned 6 months: \$150 each

Aid for diagnosis and research:

The Department will pay a grant up to \$7 to abattoirs for selling and delivering to the laboratory at St-Hyacinthe the head and lungs of each animal requiring examination under this program. The bill, signed by the director of the program, will be accepted as grounds for payment of the abattoir's claim, which will be payable at any time.

Blonde d'Aquitaine for F₁ Matings in Richelieu Region

A change is being made in this season's F₁ cattle-breeding program in the Richelieu region.

The Quebec Department of Agriculture's regional office in that area draws the attention of the farmers concerned to the fact that, owing to increasing demand on Western farms, Blonde d'Aquitaine semen will be used for insemination this year.

Blonde d'Aquitaine sires have been used in the Ottawa Valley region since the start of the program and have given satisfactory results. The resulting crossbred heifers (Blonde d'Aquitaine x Ayrshire and Blonde d'Aquitaine x Holstein) average 30 pounds heavier when delivered to the buyers than those sired by Chianinas and no special calving troubles have been met with.

Prices offered to producers this year are also good. The guaranteed minimum price is \$1.10 a pound for the first 400 pounds and 75 cents for each additional one. However, the price may be increased three months before heifers are shipped.

The inseminations will be carried out until mid-August.

RAPESEED — 1974

In order to encourage diversification of farm productions and, more specifically, the growing of rape (*Brassica campestris*) in the Abitibi-Témiscamingue region, the Department of Agriculture undertakes to contribute to the cost of transporting and drying rapeseed, at the following rates:

Grant: The amount of the Department's financial contribution will depend on the distance between the grower's farm and the place of treatment at Amos and takes into account the cost of shipment to the processing plant and other costs such as those of drying, screening, etc.

Miles	100 lb. (screened)
0-15	\$1.75
15-30	1.85
30-45	1.95
45-60	2.05
over 60	2.15

Payment of the Grant

The grant is paid to the grower once a year upon submission of an application on the Department's official form accompanied by a declaration to the effect that he has finished his shipments for the current year.

Beneficiaries:

Any producer who delivers his crop to the above-mentioned plant is eligible for the grant.

Excerpt From The Agriculture Department Act

Article 18a. Every person who makes a false declaration to obtain a grant, advance or security for a loan contemplated by this act or an amount payable as assistance under a plan, program or project, commits an offence and is liable for the first offence to a fine of \$500 and, for any subsequent offence within two years, to a fine of \$1,000.

Proceedings under this section are taken under the Summary Convictions Act (Chap. 35) and Part II of that act applies thereto.

Aid for Horizontal Silo Construction in Saguenay-Lake St. John

Under the Saguenay-Lake St. John agro-forestry plan, the Quebec Department of Agriculture announces certain changes in its assistance policy for the construction of horizontal silos.

The policy, introduced in the spring of 1973 with a view to improving the quality of the region's plant productions, provides for grants to farmers to encourage the ensiling of green fodder and the harvesting of a second cut of hay.

This year (1974), the maximum grant for a silo has been set at \$600. For the platform, the farmer will receive 20 cents per square

foot (13 cents more than last year) and, for the walls, 15 cents a square foot.

According to specialists at the regional agricultural office in Alma, this measure is very popular this year. Almost twice as many applications have been received, namely about 40.

Dry Pea Growing Trials Abitibi-Témiscamingue

The high cost of protein supplements imported into this region has a marked effect on the profitability of livestock productions. The Department of Agriculture wishes to study the possibility of growing crops with a high protein content locally.

As the growing season is very short, fast-growing, early-maturing plants must be used. These requirements are met by peas, but, in pure stands, these are hard to harvest. However, it appears that this difficulty might be overcome by growing them with cereals which can give them support.

Immediate aim of the program

To test the possibility and expediency of growing dry peas in mixtures with grains in this region

as a means of reducing imports of protein supplements and hence the cost of feeding livestock.

Nature of the program

Under the Arda III agreement, the Department will carry out trials in 1974-75, 1975-76 and 1976-77 involving the growing of dry peas in mixtures with grains on 50 farms whose operators agree to grow four acres of peas and oats and four acres of peas and barley during each of the said three years.

Financial aid

To farmers who agree to take part in this program, the Department will pay, under the Arda III Agreement, a grant of \$25 per acre, thus covering about half the cost of the seed and fertilizer.

Beneficiaries

The following may qualify for this program: farmers, farming partnerships or farming corporations who apply and who meet the requirements and are approved by the person responsible for the program.

Application

To participate in the program, the farmer must apply to his local agronomer and enroll using the special official form.

Eligibility conditions

In order to qualify for this program, the farmer, farming partnership or

farming corporation must satisfy the following conditions:

- a) be the owner or tenant of a farm having suitable soil for the crop;
- b) be a producer within the meaning of the Farm Producers Act;
- c) undertake to follow scrupulously the directions of the person responsible for the program concerning the various operations and improvements to be carried out;
- d) belong to a G.E.R.A. group or keep satisfactory farm accounts (yellow book or Canfarm).

Payment

The grant is paid after the harvest upon recommendation by the agronomer responsible for the program.

Date effective

This program came into force on April 1, 1974.

News Features

Artificial insemination report: An Agriculture Canada report on artificial insemination states that 1,216,928 cows were artificially bred in Canada in 1972 — an increase of more than 94,000 cows from 1971.

New bloat research laboratory: A new bloat research laboratory has been established at the Agriculture Canada Research Station in Saskatoon, Sask. Scientists there are working to breed a non-bloating alfalfa which will also have good nutritional value.

Timothy goes to Japan: Japan is testing varieties of Canadian timothy seed which are adaptable to Japan's climate. Initial tests of timothy, as well as orchardgrass, greenleaf pubescent wheatgrass and Norlea perennial ryegrass, show they are a success.

The Japanese market for these grass seeds should be a continuous one because Japan's climate will not allow it to grow its own seed.

(From "This Month with Agriculture Canada," No. 68, Nov. 1973).

QWI

This Month with the

Dear W.I. Members:

Although the theme of the Convention was "Changing Ways — Changing Days", some things never change at our Annual Convention — the "feeling of home" at Macdonald College, the dedication of our Executive and helpers, the good meals and the rest from dishes, the smile of the dining room cashier and the friendly delegates. Some things never change on the farm either. Just when I was shampooed and set, bathed and powdered, dressed and ready to start off my presence was requested in the barn to help with the milking so the men could get some badly needed seeding done while the land was dry enough. Consequently, the cows got the benefits of my first efforts and I had to redo myself rather hastily to catch my ride down to Macdonald.

However, beginning with Dr. Blackwood's warm welcome the winds of change were soon felt as he brought to our attention possible threats to our food supply and the agricultural problems that have to be dealt with in the near future. Doug Menzies told members of the upcoming weekend conference where the following questions would be discussed "Where is the English rural population in Quebec going?" and "What is the role of voluntary organizations?" We were reminded that many things the W.I. and others were doing 20 years ago are now being done by the government.

Concern was felt about the millions now going hungry and dying in other parts of the world. We realized that we cannot send food overseas ourselves, but, as a beginning, the branches can start a Food for the Hungry fund. This can be done by growing extra food

and selling it or raising money in some other way with the hope that the money can be used through A.C.W.W. channels.

Guest speaker, Miss Henrietta Rouleau, Agriculture Canada, chose as her topic "How Can Agriculture Canada Help You?" Publications are a good way to learn how to buy food, store it, and use it. Anyone wanting these government publications, which are free, can write to Agriculture Canada, Information Division, Ottawa, and ask for the List of Publications for the Home. When ordering the publications from that list, remember to use the number given for each pamphlet. Free films are also available. October 29 to November 4 are the dates for the Salon of Agriculture in Montreal. Miss Rouleau is hoping we will send her "our little ways of saving" on food budgets, which she hopes to compile for use at the Salon. While chatting briefly with Miss Rouleau, she gave us praise for the way our members spoke up and took part in the business part of Convention.

Of great interest to us all was the talk by Mr. Savage of the Montreal Trust Company. His subject was taxes, estate planning, and wills, and I know that we received a great deal of valuable information from him.

Speaking of information, how pleasant it must be to receive help in the field of home economics from such a charming and vivacious a person as Mrs. Levesque, who works out of the Dorion office of the Quebec Department of Agriculture and serves the Chateauguay-Huntingdon region.

Miss Suzanne Auger, with her quiet smile, told us the quality of

the handicrafts was better this year even though there were fewer entries. Mr. Spiers presented the prizes for the J. & P. Coats Competition on behalf of his company.

Members' husbands so often deserve a pat on the back and I would particularly like to thank a new member's husband in Sherbrooke County for making the excellent replica of the Sherbrooke float which was part of the publicity display this year. It was admired by all, as were the other displays brought in by branches and counties. My thanks for the time and effort you put into them.

We always welcome the refreshments served by the West Island branch on Wednesday and Thursday evenings. This year something was added — the sale of a colourful cookbook, which had been printed by one of the husbands. Mrs. A. A. Durrant brought greetings from Old Felixstowe W.I. in England where she had recently received her 50-year pin. It was of interest to learn that it was her daughter, Anna Scott, who formed the West Island branch.

Once again we were favoured with solos by Mrs. Pierce. And what would we do without plays? This year, along with the laughs provided by the presentation of three plays by Brome, Sherbrooke, and Stanstead countries, we were subtly reminded that gossiping can lead to wrong conclusion and that people are sometimes not as sick as they imagine they are.

We missed the "lift" Hilda Graham gave us with games and singsongs but "90 years young" Mrs. Bulley of Arundel, with her contagious smile, showed us what she could do at the piano and in leading a



Left: Members of the Executive prepare to open the Annual Convention. Below left: Mrs. A. C. Blackwood, wife of the Vice-Principal of Macdonald College and Mrs. J. W. Westover in conversation at the Women Associates tea. Below: Hostesses for the first session of the Convention greet a member.



Opposite page: Top, Mrs. C. Bryson, President, Chateauguay-Huntingdon Co. and Mrs. R. McFarlane from Howick are obviously pleased with how the Convention is proceeding. Below: Miss H. Rouleau, Agriculture Canada, addresses the Convention. Far left: Ninety-years young, Mrs. E. Bulley thoroughly enjoyed Convention. She is seen here with Mrs. D. Lee, President,



Brome Co. Bottom: Members of the Executive and some of the Provincial Conveners from left to right: Mrs. M. Lewis, Welfare and Health; Mrs. W. Coates, 2nd Vice-President; Mrs. J. W. Westover, President; Mrs. G. Cascadden, Treasurer; Miss E. Smith, 1st Vice-President; Mrs. G. French, Citizenship; Mrs. W. Kilgour, Agriculture, and Mrs. J. Robertson, Publicity.

singsong. Mrs. Bulley told us that being able to attend the Convention and meet so many of her friends had taken 10 years off her life. Looking after the handicrafts is almost a full-time job but when time permitted Miss V. Moranville played the piano for us.

High on the list of this year's Convention memories for me will be the 1,500 Q.W.I. souvenir pens — it seemed that morning, noon, and night I was busy with them.

Then when my legs began to ache and my head to swim, the "martyr" feeling vanished as I looked at the patient faces of the ladies looking after registration and the Executive as well as Hazel Clarke busy with her camera and quietly being helpful.

Being on the go so much I missed chatting with so many of you, but there's always next year.

The Convention theme may have

been Changing Ways — Changing Days, but did you find as I did on Saturday morning that the alarm clock was one thing which hadn't changed!

Mrs. Perley Clark

P.S. Although I shall miss receiving them, do send your reports and specials to your new Publicity Convener, Mrs. James Robertson, R.R. 2, Hemmingford, Quebec.





Thursday night and a long, pleasant day is climaxed with refreshments served by the West Island Branch. Above: Mrs. A. Durrant, visitor from Old Felixstowe W.I. in England, checks proceedings in the kitchen. Top Right: A moment's rest for Kathleen Campbell as Clara Szoo carries on with her work. Centre: Mrs. Clark enjoys a chat with West Islanders: Mrs. I. Cairns, Mrs. Anna Scott, and Mrs. W. Wilkinson. Below: A popular attraction in the publicity display was the replica of Sherbrooke Country's float.

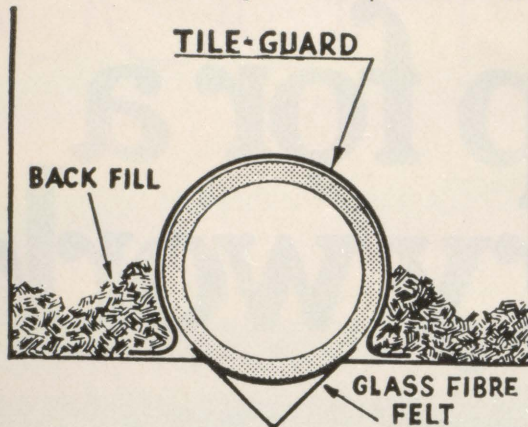


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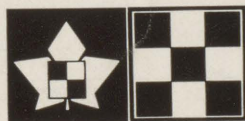
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